EXHIBIT 300   **UII 010-000001050**

Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2012-05-24
Investment Auto Submission Date: 2012-02-28
Date of Last Investment Detail Update: 2012-06-22
Date of Last Exhibit 300A Update: 2012-06-22
Date of Last Revision: 2012-06-22

Agency: 010 - Department of the Interior   **Bureau:** 12 - United States Geological Survey

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: USGS - CSS - TNM Reengineering Project

2. Unique Investment Identifier (UII): 010-000001050

Section B: Investment Detail

1. **Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

   For over 125 years, the USGS has had a mandate to provide base topographic information to the Nation, to its own scientific programs, and those of other Federal agencies. The mission is consistent with the OMB Circular A-16, "Coordination of Surveying, Mapping, and Related Spatial Data Activities." A-16 requires the USGS to lead the Nation in providing and maintaining a common set of base geographic information and to be the Federal agency leader for elevation, hydrography, orthoimagery, and geographic names. The USGS is providing the national leadership to organize, maintain, publish, and disseminate The National Map, a set of basic geospatial data provided as a variety of products and services. This re-engineering project incorporates the IT efforts required to provide a more efficient and automated capability for meeting this mission. The investment includes the systems for data ingest, integration, production, and distribution for digital Geographic Information System (GIS) data, and updated, printable topographic maps (US Topos). These system improvements enable the automation of map production to meet the goal of producing updated US Topo maps for the CONUS on a three-year cycle. It took ~ 3,000 people over 55 years to do a once over complete coverage of the continental US. Now it is being updated every 3 years by about 300 people through the use of enhanced system automation processes. TNM supports National Critical Infrastructure assets by being the (1) guarantor of national data completeness, consistency, and accuracy, (2) catalyst and collaborator for

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creating and stimulating partnerships, (3) integrator and certifier of basic geospatial data from other participants, (4) owner and data producer of content for The National Map when no other suitable and verifiable source for those data exists, and (5) leader in the development and implementation of national geospatial data standards. The Mapping Sciences Committee of the National Research Council conducted an in-depth independent review of The National Map concept (Weaving a National Map, The National Academies Press, Washington, D.C., 2003). The study findings and review comments, have all directed the USGS to pursue the vision of The National Map as a worthwhile, justified, and timely alternative to the current national mapping program status quo. The Mapping Sciences Committee concludes that "if successful, the program will have great benefits to the nation".

2. **How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

   If full funding is not received for this investment we will be deferring the planned replacement of legacy systems that would reduce operational costs, provide increased functionality to users, and take advantage of new geospatial data acquisition technologies. Cost reduction would also delay the back log of enhancement requests and bug fixes currently logged.

3. **Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

   Continued improvement and maintenance of IT systems.   Produced 18,000 US Topo maps (1/3 of CONUS).   Launched the new The National Map Viewer (April 2010), combining multiple data distribution systems into one.   Managed over 350,000 GB of data.   Established change management controls.   Continued development and enhancement of tools for data production.   ~ 1.4 million data downloads from TNM Systems in FY2010.   ~ 105 Terabytes of data downloaded.   ~ 22 million visitors.   ~ 316.8 Terabytes of bulk data delivered.

4. **Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

   Continuing enhancement of The National Map Viewer and related services.   Completion of the first three-year cycle of US Topo map production (55,000 maps).   Maintenance of the three-year cycle of US Topo map production.   Retirement of other older data access systems.   Completion of Enterprise Architecture Blueprinting.   Evaluate cloud hosting and distribution of data, products, and services.

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

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Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding				
	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	$0.1	$0.0	$0.0	$0.0
DME (Excluding Planning) Costs:	$1.1	$0.0	$0.0	$0.0
DME (Including Planning) Govt. FTEs:	$31.2	$0.2	$0.2	$0.2
Sub-Total DME (Including Govt. FTE):	$32.4	$0.2	$0.2	$0.2
O & M Costs:	$12.8	$3.4	$3.4	$3.4
O & M Govt. FTEs:	$29.1	$1.2	$1.2	$1.2
Sub-Total O & M Costs (Including Govt. FTE):	$41.9	$4.6	$4.6	$4.6
Total Cost (Including Govt. FTE):	$74.3	$4.8	$4.8	$4.8
Total Govt. FTE costs:	$60.3	$1.4	$1.4	$1.4
# of FTE rep by costs:	9	9	9	9

Total change from prior year final President's Budget ($)		$0.0	$0.0	
Total change from prior year final President's Budget (%)		0.00%	0.00%	

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2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

NA

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Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy											
Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value ($M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	1434	ING10PB00006	ING09PA00025	1434							
Awarded	1434	ING08PC91594									

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:
All contract awards now over $1,000,000 shall contain a clause for an Earned Value Management System (EVMS), as directed by the Department of Interior. The result is that contracts, through project management, are closely monitored for cost and schedule performance. Earned Value data are reported monthly to the Department of Interior.

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Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-05-24

Section B: Project Execution Data

Table II.B.1 Projects					
Project ID	**Project Name**	**Project Description**	**Project Start Date**	**Project Completion Date**	**Project Lifecycle Cost ($M)**
TNMP-0001	FY 2012 O&M - Web Apps, Database Administration, and Security	This includes systems maintenance for ingestion, integration, production, and distribution for national digital GIS data, and topographic maps (US Topos) in support of one of the USGS core missions to provide base map data to the Nation. The mission is consistent with the OMB Circular A-16, which requires the USGS to lead the Nation in providing a common set of base geographic data and to be the Federal agency lead for elevation, hydrography, orthoimagery, and geographic names.			
TNMP-0002	FY 2012 DME - Viewer, Map Services and Data Download Enhancements	The USGS provides base map data to the Nation. Several key enhancements to National Map web based data delivery systems will be achieved in FY13 to include: Three new cached national web base maps (Topo, Imagery and Hybrid); new releases of the The National Map			

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		Table II.B.1 Projects			
Project ID	**Project Name**	**Project Description**	**Project Start Date**	**Project Completion Date**	**Project Lifecycle Cost ($M)**
		viewer; and new downloadable data (ex. Contours) for use in Geographic Information Systems.			
TNMP-0003	FY 2011 O&M - Web Apps, Database Administration, and Security	This includes systems maintenance for ingestion, integration, production, and distribution for national digital GIS data, and topographic maps (US Topos) in support of one of the USGS core missions to provide base map data to the Nation. The mission is consistent with the OMB Circular A-16, which requires the USGS to lead the Nation in providing a common set of base geographic data and to be the Federal agency lead for elevation, hydrography, orthoimagery, and geographic names.			
TNMP-0004	FY 2011 DME - Viewer, Map Services and Data Download Enhancements	The USGS provides base map data to the Nation. Several key enhancements to National Map web based data delivery systems will be achieved to include: Implement two new releases of the NGA Palenterra viewer; sunset the legacy Nation Map Viewer, and National Hydrography Dataset (NHD) viewer and release planned cartographic enhancements to the web basemap.			

		Activity Summary					
		Roll-up of Information Provided in Lowest Level Child Activities					
Project ID	**Name**	**Total Cost of Project Activities ($M)**	**End Point Schedule Variance (in days)**	**End Point Schedule Variance (%)**	**Cost Variance ($M)**	**Cost Variance (%)**	**Total Planned Cost ($M)**	**Count of Activities**

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Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
TNMP-0001	FY 2012 O&M - Web Apps, Database Administration, and Security							
TNMP-0002	FY 2012 DME - Viewer, Map Services and Data Download Enhancements							
TNMP-0003	FY 2011 O&M - Web Apps, Database Administration, and Security							
TNMP-0004	FY 2011 DME - Viewer, Map Services and Data Download Enhancements							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
				NONE				

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Section C: Operational Data

Table II.C.1 Performance Metrics								
Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
% of surface area of the coterminous U.S. for which high-resolution geospatial datasets are cataloged, managed, and available through The National Map	% of area	Mission and Business Results - Services for Citizens	Over target	100.000000	100.000000	100.000000	100.000000	Semi-Annual
Average Monthly# of data downloads from the National Map Viewer.	Number of downloads	Customer Results - Service Accessibility	Over target	7000.000000	8500.000000	9352.000000	9000.000000	Semi-Annual
# High priority of approved system change task orders completed	% Tasks completed	Process and Activities - Management and Innovation	Over target	45.000000	70.000000	89.000000	80.000000	Semi-Annual
# of visits to the National Map viewer	visits	Technology - Information and Data	Over target	0.000000	800.000000	847.000000	1000000.000000	Monthly
Terabytes of data delivered	# of terabytes	Technology - Information and Data	Over target	0.000000	25.000000	35.000000	35.000000	Monthly